

AMENDMENT TO THE CLAIMS

Replace the claims with the following rewritten listing:

1. (Currently amended) Data live streaming system comprising
at least one data live streaming broadcaster (LSB), and
at least two live streaming recipients (LSR),
said at least two live streaming recipients (LSR) forming at least a part of a peer-to-peer
streaming network; and
wherein said at least two live streaming recipients (LSR) each comprising a means for
generating on of peer-to-peer streaming of content to other live streaming recipients (LSR) of
said peer-to-peer streaming network and wherein said peer-to-peer streaming of content to other
live streaming recipients (LSR) comprises loss resilient code representations of data from said at
least one live streaming broadcaster (LSB).
2. (Currently amended) Data live streaming system according to claim 1, wherein each of said
at least two live streaming recipients (LSR) provides at least one unique partial encoded
representation (UPR) of Input Data (I) by means of said means for generating on of peer-to-peer
streaming of content to other live streaming recipients (LSR).
3. (Currently amended) Data live streaming system according to claim 2, wherein at least two
of said unique partial encoded representations (UPR) collectively form a complete representation
of the Input Data (I).
4. (Currently Amended) Data live streaming system according to claim 1, wherein said means
for generating on of peer-to-peer streaming of content to other live streaming recipients (LSR)
substantially provides M unique partial encoded representations (UPR) of Input Data (I) and
wherein the streamed data from the live streaming broadcaster (LSB) is fully or substantially
represented by a subset of N unique partial encoded representations (UPR).
5. (Cancelled)

6. (Previously presented) Data live streaming system according to claim 1, wherein the streamed data from the at least one live streaming broadcaster (LSB) is fully represented by a subset of N unique partial encoded representations (UPR) encoded by Reed-Solomon based loss resilient code segments.
7. (Previously presented) Data live streaming system according to claim 1, wherein the streamed data from the live streaming broadcaster (LSB) is substantially represented by a subset of N unique partial encoded representations (UPR) encoded by LT-based based loss resilient code segments.
8. (Cancelled)
9. (Previously presented) Data live streaming system according to claim 1, wherein said loss resilient code representations of data are provided in frames.
10. (Previously presented) Data live streaming system according to claim 9, wherein said frames comprise time frames substantially produced and transmitted sequentially by said live streaming broadcaster (LSB).
11. (Currently Amended) Data live streaming system according to claim 1, wherein the streaming of data from to said at least one live streaming broadcaster (LSB) is structured in consecutive frames and wherein substantially each of the frames is initiated by an initial transmission of data representations to said at least two live streaming recipients (LSR), and wherein said at least two live streaming recipients (LSR) stream said data representations or derivatives thereof to others of the live streaming recipients (LSR) as loss resilient code segments, and wherein the others of the live streaming recipients (LSR) gather a number N of unique loss resilient code segments and regenerates said frames transmitted from said at least one live streaming broadcaster (LSB) as a live streaming signal.
12. (Cancelled)

13. (Currently Amended) Data live streaming system according to claim 1, wherein said data comprises at least one of video and/or audio streams.

14. (Currently amended) A network comprising
at least one Input Data (I) broadcaster (IB), and
a plurality of peers (P),
said plurality of peers (P) transforming Input representative data (IRD) from said at least one Input broadcaster (IB) into a plurality of M unique partial encoded representations (UPR) of Input Data (I), and
wherein a plurality of code subsets (W1, W2, W3,..) of said M unique partial encoded representations comprises N different unique partial encoded representations (UPR) of said Input Data (I), each of the code subsets (W1, W2, W3,..) representing said Input Data (I) and where N is less than M-1.

15. (Currently amended) Network according to claim 14, wherein each of said plurality of input peers (P) produces one of said M unique partial encoded representations (UPR) of Input Data (I).

16. (Currently Amended) Network according to claim 14, wherein at least one, preferably all of said code subsets (W1, W2, W3,..) represents an encoded version of said Input Data (I).

17. (Previously presented) Network according to claim 14, wherein at least one of said code subsets (W1, W2, W3,..) is encoded by means of LT based codes.

18. (Previously presented) Network according to claim 14, wherein at least one of said code subsets (W1, W2, W3,..) is encoded by means of Reed-Solomon based codes.

19. (Currently Amended) Network according to claim 14, wherein said network further comprises at least two recipient peers (RP), the at least two recipient peers (RP) which may gathering at least one of said code subsets (W1, W2, W3,..) and decoding the at least one of said code subsets (W1, W2, W3,..) into data corresponding to the encoded data.

20. (Currently Amended) Network according to claim 19, wherein the gathering performed by said at least two recipient peers (RP) is performed on the basis of a request to at least one of the other peers, ~~preferably a plurality of peers~~.

21. (Currently Amended) Network according to claim 19, wherein the gathering performed by said at least two recipient peers (RP) is performed on the basis of a push transmission performed by at least one of the plurality of other peers (P), ~~preferably a plurality of peers~~.

22. (Currently Amended) Network according to claim 14, wherein at least one of said plurality of peers (P) forms a recipient peer (RP).

23. (Previously presented) Network according to claim 14, wherein said input representative data (IRD) is established at least partly by at least two intermediate peers (IP).

24. (Previously presented) Network according to claim 23, wherein said intermediate peers (IP) comprise further intermediate processing steps adapted for establishment of input representative data (IRD).

25. (Currently Amended) Network according to claim 14, wherein at least one of said plurality of peers (P) forms an intermediate peer (IP).

26. (Currently Amended) Network according to claim 14, wherein the total number of peers (P) is greater than 5, ~~preferably greater than 50 and even more preferably greater than 200~~, and the number of intermediate peers (IP) is between 1/5 and 1/100 of the total number of peers (P) and ~~preferably between 1/25 and 1/50 of the total number of peers~~.

27. (Currently Amended) Network according to claim 14, wherein said input representative data (IRD) is transmitted from said broadcaster (IB) to at least two intermediate peers (IP), ~~preferably at least four intermediate peers (IP)~~.

28. (Currently amended) Network according to claim 27, wherein said at least two intermediate peers (IP) receive only a partial representation of said Input Data (I)-only.

29. (Currently Amended) Network according to claim 14, wherein the unique partial encoded representations (UPR) are generated by a plurality of different peers from the plurality of peers (P).

30. (Currently Amended) Network according to claim 14, wherein the uniqueness of the unique partial encoded representations (UPR) are ensured by producing the partial encoded representations (UPR) by different peers of the plurality of peers (P).

31. (Currently Amended) Network according to claim 14, wherein at least one peer of the plurality of peers (P) collects and transforms input representative data (IRD) into at least one unique partial encoded representation by a pull process.

32. (Currently Amended) Network according to claim 14, wherein at least one peer of the plurality of peers (P) collects and transforms input representative data (IRD) into at least one unique partial encoded representation by a push process.

33. (Currently amended) Network according to claim 14, wherein said Input Data (I) is transmitted from the at least one Input Data (I) broadcaster (IB) on a real-time basis.

34. (Currently amended) Network according to claim 14, wherein said Input Data (I) is transmitted from the at least one Input Data (I) broadcaster (IB) on a real-time basis in frames.

35. (Previously presented) Network according to claim 14, wherein said network is a video streaming network.

36. (Previously presented) Network according to claim 14, wherein said network is performing video-streaming on demand.

37. (Previously presented) Network according to claim 14, wherein said network is performing live-video streaming.

38. (Currently amended) Network according to claim 14, wherein said network is formed by the Internet and said plurality of peers (P) comprises computers communicating with the Internet.

39. (Currently Amended) Network according to claim 14, wherein at least one of said plurality of peers (P) comprises a computer transforming input representative data (IRD) into at least one unique partial encoded representation (UPR) of Input Data (I) without gathering and/or utilizing partial encoded representation (UPR) of Input Data (I) produced by others of the plurality of peers (P).

40. (Currently Amended) Network according to claim 14, wherein at least one of said plurality of peers (P) may switch between:

at least one mode, where the at least one of said plurality of peers (P) both produces at least one partial encoded representation (UPR) and gathers partial encoded representations produced by others of the plurality of peers (P) to obtain at least one code subset (W1, W2, W3,) and decodes the at least one code subset (W1, W2, W3,); and

at least one idle mode, where the at least one of said plurality of peers (P) acts solely or primarily as a producer of at least one partial encoded representation (UPR).

41. (Currently Amended) Network according to claim 14, wherein the plurality of peers (P) are implicitly or explicitly defined in the input data (I).

42. (Currently Amended) Network according to claim 14, wherein the encoded input data (I) is associated with peer defining data.

43. (Previously presented) Network according to claim 14, wherein said unique partial encoded representations (UPR) comprise loss resilient codes.

44. (Currently Amended) Network according to claim 14, wherein said Input Data (I) comprises video streaming, said broadcaster (IB) comprises a video streaming broadcaster, and at least two of said plurality of peers (P) comprise recipients of video streams.

45. (Currently Amended) Method of streaming data in a live streaming system comprising at least one data live streaming broadcaster (LSB) and at least two live streaming recipients (LSR), the method comprising

forming at least a part of a peer-to-peer streaming network with said at least two live streaming recipients (LSR), and

generating peer-to-peer streaming of content to other live streaming recipients (LSR) of said peer-to-peer streaming network with said at least two live streaming recipients (LSR), and

wherein establishing said peer-to-peer streaming of content to other streaming recipients (LSR) is established by means of loss resilient code representations of data from said at least one live streaming broadcaster (LSB).

46. (Currently amended) Method of distributing input data (I) in a network comprising at least one Input Data (I) broadcaster (IB) and a plurality of peers (P), the method comprising

transforming, with said plurality of peers (P), Input representative data (IRD) from said at least one Input broadcaster (IB) into a plurality of M unique partial encoded representations (UPR) of the Input Data (I),

wherein a plurality of code subsets (W1, W2, W3,..) of said M unique partial encoded representations comprises N different unique partial encoded representations (UPR) of said Input Data (I), each subset (W1, W2, W3,..) representing said Input Data (I) and where N is less than M-1.

47. – 48. (Cancelled)

49. (New) Data live streaming system comprising

at least one data live streaming broadcaster (LSB), and
at least two live streaming recipients (LSR),

said at least two live streaming recipients (LSR) forming at least a part of a peer-to-peer streaming network,

wherein said at least two live streaming recipients (LSR) each comprise a means for generating peer-to-peer streaming of content to other live streaming recipients (LSR) of said peer-to-peer streaming network, said peer-to-peer streaming of content to other live streaming recipients (LSR) comprises loss resilient code representations of data from said at least one live streaming broadcaster (LSB), and

wherein said means for generating peer-to-peer streaming of content to other live streaming recipients (LSR) substantially provides M unique partial encoded representations (UPR) of Input Data (I), and wherein the number M substantially corresponds to the number of live streaming recipients (LSR).

50. (New) Data live streaming system according to claim 49, wherein each of said at least two live streaming recipients (LSR) provides at least one unique partial encoded representation (UPR) of Input Data (I) by said means for generating peer-to-peer streaming of content to other live streaming recipients (LSR).

51. (New) Data live streaming system according to claim 50, wherein at least two of said unique partial encoded representations (UPR) collectively form a complete representation of the Input Data (I).

52. (New) Data live streaming system according to claim 49, wherein the streamed data from the live streaming broadcaster (LSB) is fully or substantially represented by a subset of N unique partial encoded representations (UPR).

53. (New) Data live streaming system according to claim 49, wherein the streamed data from the at least one live streaming broadcaster (LSB) is fully represented by a subset of N unique partial encoded representations (UPR) encoded by Reed-Solomon based loss resilient code segments.

54. (New) Data live streaming system according to claim 49, wherein the streamed data from the live streaming broadcaster (LSB) is substantially represented by a subset of N unique partial encoded representations (UPR) encoded by LT-based based loss resilient code segments.

55. (New) Data live streaming system according to claim 49, wherein at least one of said at least two live streaming recipients (LSR) regenerates the encoded data from said live streaming broadcaster (LSB) by decoding a number N unique partial encoded representations (UPR) of data, and wherein at least one of said N unique partial encoded representations (UPR) is generated by the other live streaming recipients (LSR).

56. (New) Data live streaming system according to claim 49, wherein the streaming of data from said at least one live streaming broadcaster (LSB) is structured in consecutive frames and wherein substantially each of the frames is initiated by an initial transmission of data representations to said at least two live streaming recipients (LSR), and wherein said at least two live streaming recipients (LSR) stream said data representations or derivatives thereof to others of the live streaming recipients (LSR) as loss resilient code segments, and wherein the others of the live streaming recipients (LSR) gather a number N of unique loss resilient code segments and regenerate said frames transmitted from said at least one live streaming broadcaster (LSB) as a live streaming signal.

57. (New) Data live streaming system according to claim 49, wherein said peer-to-peer streaming network comprises a grid based system.

58. (New) Data live streaming system according to claim 49, wherein said data comprises at least one of video and audio streams.

59. (New) Data live streaming system comprising
at least one data live streaming broadcaster (LSB), and
at least two live streaming recipients (LSR),
said at least two live streaming recipients (LSR) forming at least a part of a peer-to-peer streaming network,

wherein said at least two live streaming recipients (LSR) each comprise a means for generating peer-to-peer streaming of content to other live streaming recipients (LSR) of said peer-to-peer streaming network, and wherein said peer-to-peer streaming of content to other live streaming recipients (LSR) comprises loss resilient code representations of data transmitted by said at least one live streaming broadcaster (LSB), and

wherein at least one of said at least two live streaming recipients (LSR) regenerates the encoded data from said live streaming broadcaster (LSB) by decoding a number N unique partial encoded representations (UPR) of data and wherein at least one of said N unique partial encoded representations (UPR) is generated by the other live streaming recipients (LSR).

60. (New) Data live streaming system according to claim 59, wherein each of said at least two live streaming recipients (LSR) provides at least one unique partial encoded representation (UPR) of Input Data (I) by said means for generating peer-to-peer streaming of content to other live streaming recipients (LSR).

61. (New) Data live streaming system according to claim 59, wherein at least two of said unique partial encoded representations (UPR) collectively form a complete representation of the Input Data (I).

62. (New) Data live streaming system according to claim 59, wherein said means for generating peer-to-peer streaming of content to other live streaming recipients (LSR) substantially provides M unique partial encoded representations (UPR) of Input Data (I), and wherein the streamed data from the live streaming broadcaster (LSB) is fully or substantially represented by a subset of N unique partial encoded representations (UPR).

63. (New) Data live streaming system according to claim 59, wherein the number M substantially corresponds to the number of live streaming recipients (LSR).

64. (New) Data live streaming system according to claim 59, wherein the streamed data from the at least one live streaming broadcaster (LSB) is fully represented by a subset of N unique

partial encoded representations (UPR) encoded by Reed-Solomon based loss resilient code segments.

65. (New) Data live streaming system according to claim 59, wherein the streamed data from the live streaming broadcaster (LSB) is substantially represented by a subset of N unique partial encoded representations (UPR) encoded by LT-based based loss resilient code segments.

66. (New) Data live streaming system according to claim 59, wherein the streaming of data from said at least one live streaming broadcaster (LSB) is structured in consecutive frames and wherein substantially each of the frames is initiated by an initial transmission of data representations to said at least two live streaming recipients (LSR), and wherein said at least two live streaming recipients (LSR) stream said data representations or derivatives thereof to others of the live streaming recipients (LSR) as loss resilient code segments, and wherein the others of the live streaming recipients (LSR) gather a number N of unique loss resilient code segments and regenerate said frames transmitted from said at least one live streaming broadcaster (LSB) as a live streaming signal.

67. (New) Data live streaming system according to claim 59, wherein said peer-to-peer streaming network comprises a grid based system.

68. (New) Data live streaming system according to claim 59, wherein said data comprises at least one of video and audio streams.

69. (New) Data live streaming system comprising
at least one data live streaming broadcaster (LSB), and
at least two live streaming recipients (LSR),
said at least two live streaming recipients (LSR) forming at least a part of a peer-to-peer streaming network,
wherein said at least two live streaming recipients (LSR) each comprise a means for generating peer-to-peer streaming of content to other live streaming recipients (LSR) of said peer-to-peer streaming network, and wherein said peer-to-peer streaming of content to other live

streaming recipients (LSR) comprises loss resilient code representations of data from said at least one live streaming broadcaster (LSB), and

wherein said peer-to-peer streaming network comprises a grid based system.

70. (New) Data live streaming system according to claim 69, wherein each of said at least two live streaming recipients (LSR) provides at least one unique partial encoded representation (UPR) of Input Data (I) by said means for generating peer-to-peer streaming of content to other live streaming recipients (LSR).

71. (New) Data live streaming system according to claim 70, wherein at least two of said unique partial encoded representations (UPR) collectively form a complete representation of the Input Data (I).

72. (New) Data live streaming system according to claim 69, wherein said means for generating peer-to-peer streaming of content to other live streaming recipients (LSR) substantially provides M unique partial encoded representations (UPR) of Input Data (I) and wherein the streamed data from the live streaming broadcaster (LSB) is fully or substantially represented by a subset of N unique partial encoded representations (UPR).

73. (New) Data live streaming system according to claim 69, wherein the number M substantially corresponds to the number of live streaming recipients (LSR).

74. (New) Data live streaming system according to claim 69, wherein the streamed data from the at least one live streaming broadcaster (LSB) is fully represented by a subset of N unique partial encoded representations (UPR) encoded by Reed-Solomon based loss resilient code segments.

75. (New) Data live streaming system according to claim 69, wherein the streamed data from the live streaming broadcaster (LSB) is substantially represented by a subset of N unique partial encoded representations (UPR) encoded by LT-based based loss resilient code segments.

76. (New) Data live streaming system according to claim 69, wherein at least one of said at least two live streaming recipients (LSR) regenerates the encoded data from said live streaming broadcaster (LSB) by decoding a number N unique partial encoded representations (UPR) of data, and wherein at least one of said N unique partial encoded representations (UPR) is generated by the other live streaming recipients (LSR).

77. (New) Data live streaming system according to claim 69, wherein the streaming of data from said at least one live streaming broadcaster (LSB) is structured in consecutive frames and wherein substantially each of the frames is initiated by an initial transmission of data representations to said at least two live streaming recipients (LSR), and wherein said at least two live streaming recipients (LSR) stream said data representations or derivatives thereof to others of the live streaming recipients (LSR) as loss resilient code segments, and wherein the others of the live streaming recipients (LSR) gather a number N of unique loss resilient code segments and regenerate said frames transmitted from said at least one live streaming broadcaster (LSB) as a live streaming signal.

78. (New) Data live streaming system according to claim 69, wherein said data comprises at least one of video and audio streams.

79. (New) Data live streaming system comprising

at least two live streaming recipients (LSR) forming at least a part of a peer-to-peer streaming network, said at least two live streaming recipients (LSR) each comprising a means for generating peer-to-peer streaming of content to other live streaming recipients (LSR) of said peer-to-peer streaming network;

wherein said peer-to-peer streaming of content to other live streaming recipients (LSR) comprises loss resilient code representations of data received from at least one live streaming broadcaster (LSB).

80. (New) Data live streaming system according to claim 79, wherein each of said at least two live streaming recipients (LSR) provides at least one unique partial encoded representation

(UPR) of Input Data (I) by said means for generating peer-to-peer streaming of content to other live streaming recipients (LSR).

81. (New) Data live streaming system according to claim 80, wherein at least two of said unique partial encoded representations (UPR) collectively form a complete representation of the Input Data (I).

82. (New) Data live streaming system according to claim 79, wherein said means for generating peer-to-peer streaming of content to other live streaming recipients (LSR) substantially provides M unique partial encoded representations (UPR) of Input Data (I) and wherein the streamed data from the live streaming broadcaster (LSB) is fully or substantially represented by a subset of N unique partial encoded representations (UPR).

83. (New) Data live streaming system according to claim 82, wherein the number M substantially corresponds to the number of live streaming recipients (LSR).

84. (New) Data live streaming system according to claim 79, wherein the streamed data from the at least one live streaming broadcaster (LSB) is fully represented by a subset of N unique partial encoded representations (UPR) encoded by Reed-Solomon based loss resilient code segments.

85. (New) Data live streaming system according to claim 79, wherein the streamed data from the live streaming broadcaster (LSB) is substantially represented by a subset of N unique partial encoded representations (UPR) encoded by LT-based based loss resilient code segments.

86. (New) Data live streaming system according to claim 79, wherein at least one of said at least two live streaming recipients (LSR) regenerates the encoded data received from said live streaming broadcaster (LSB) by decoding a number N unique partial encoded representations (UPR) of data and wherein at least one of said N unique partial encoded representations (UPR) is generated by the other live streaming recipients (LSR).

87. (New) Data live streaming system according to claim 79, wherein said loss resilient code representations of data are received in frames.

88. (New) Data live streaming system according to claim 87, wherein said frames comprise sequentially produced and transmitted time frames.

89. (New) Data live streaming system according to claim 79, wherein the streaming of data is structured in consecutive frames and wherein substantially each of the frames is received via an initial transmission of data representations at the at least two live streaming recipients (LSR), and wherein said at least two live streaming recipients (LSR) stream said data representations or derivatives thereof to others of the live streaming recipients (LSR) as loss resilient code segments, and wherein the others of the live streaming recipients (LSR) gather a number N of unique loss resilient code segments and regenerate said frames from the initial transmission as a live streaming signal.

90. (New) Data live streaming system according to claim 79, wherein said peer-to-peer streaming network comprises a grid based system.

91. (New) Data live streaming system according to claim 79, wherein said data comprises at least one of video and audio streams.

92. (New) A network comprising

 a plurality of peers (P) transforming Input representative data (IRD) received from at least one Input broadcaster (IB) into a plurality of M unique partial encoded representations (UPR) of Input Data (I),

 wherein a plurality of code subsets (W1, W2, W3,..) of said M unique partial encoded representations comprises N different unique partial encoded representations (UPR) of said Input Data (I), each of the code subsets (W1, W2, W3,..) representing said Input Data (I) and where N is less than M-1.

93. (New) Network according to claim 92, wherein each of said plurality of peers (P) produces one of said M unique partial encoded representations (UPR) of Input Data (I).

94. (New) Network according to claim 92, wherein at least one of said code subsets (W1, W2, W3..) represents an encoded version of said Input Data (I).

95. (New) Network according to claim 92, wherein at least one of said code subsets (W1, W2, W3..) is encoded by means of LT based codes.

96. (New) Network according to claim 92, wherein at least one of said code subsets (W1, W2, W3..) is encoded by means of Reed-Solomon based codes.

97. (New) Network according to claim 92, wherein said network further comprises at least two recipient peers (RP), the at least two recipient peers (RP) gathering at least one of said code subsets (W1, W2, W3..) and decoding the at least one of said code subsets (W1, W2, W3..) into data corresponding to the encoded data.

98. (New) Network according to claim 97, wherein the gathering performed by said at least two recipient peers (RP) is performed on the basis of a request from at least one of the plurality of peers (P).

99. (New) Network according to claim 97, wherein the gathering performed by said at least two recipient peers (RP) is performed on the basis of a push transmission performed by at least one of the plurality of peers (P).

100. (New) Network according to claim 92, wherein at least one of said plurality of peers (P) forms a recipient peer (RP).

101. (New) Network according to claim 92, wherein said input representative data (IRD) is established at least partly by at least two intermediate peers (IP).

102. (New) Network according to claim 101, wherein said intermediate peers (IP) comprise further intermediate processing steps adapted for establishment of input representative data (IRD).

103. (New) Network according to claim 92, wherein at least one of said plurality of peers (P) forms an intermediate peer (IP).

104. (New) Network according to claim 92, wherein the total number of peers (P) is greater than 5, and the number of intermediate peers (IP) is between 1/5 and 1/100 of the total number of peers (P).

105. (New) Network according to claim 92, wherein said input representative data (IRD) transmitted from said Input Data (I) Broadcaster (IB) is received by at least two intermediate peers (IP).

106. (New) Network according to claim 105, wherein said at least two intermediate peers (IP) receive only a partial representation of said Input Data (I).

107. (New) Network according to claim 92, wherein the unique partial encoded representations (UPR) are generated by a plurality of different peers from the plurality of peers (P).

108. (New) Network according to claim 92, wherein the uniqueness of the unique partial encoded representations (UPR) are ensured by producing the partial encoded representations (UPR) by different peers of the plurality of peers (P).

109. (New) Network according to claim 92, wherein at least one peer of the plurality of peers (P) collects and transforms input representative data (IRD) into at least one unique partial encoded representation by a pull process.

110. (New) Network according to claim 92, wherein at least one peer of the plurality of peers (P) collects and transforms input representative data (IRD) into at least one unique partial encoded representation by a push process.

111. (New) Network according to claim 92, wherein said network is a video streaming network.

112. (New) Network according to claim 92, wherein said network is performing video-streaming on demand.

113. (New) Network according to claim 92, wherein said network is performing live-video streaming.

114. (New) Network according to claim 92, wherein said network is formed by the Internet and said plurality of peers (P) comprises computers communicating with the Internet.

115. (New) Network according to claim 92, wherein at least one of said plurality of peers (P) comprises a computer transforming input representative data (IRD) into at least one unique partial encoded representation (UPR) of Input Data (I) without gathering or utilizing partial encoded representation (UPR) of Input Data (I) produced by others of the plurality of peers (P).

116. (New) Network according to claim 92, wherein at least one of said plurality of peers (P) switches between:

at least one mode, wherein the at least one of said plurality of peers (P) both produces at least one partial encoded representation (UPR) and gathers partial encoded representations produced by others of the plurality of peers (P) to obtain at least one code subset (W1, W2, W3,) and decodes the at least one code subset (W1, W2, W3,); and

at least one idle mode, wherein the at least one of said plurality of peers (P) acts solely or primarily as a producer of at least one partial encoded representation (UPR).

117. (New) Network according to claim 92, wherein the plurality of peers (P) are implicitly or explicitly defined in the input data (I).

118. (New) Network according to claim 92, wherein the encoded input data (I) is associated with peer defining data.

119. (New) Network according to claim 92, wherein said unique partial encoded representations (UPR) comprise loss resilient codes.

120. (New) Network according to claim 92, wherein said Input Data (I) comprises video streaming, said Input Data (I) Broadcaster (IB) comprises a video streaming broadcaster, and at least two of said plurality of peers (P) comprise recipients of video streams.

121. (New) Method of streaming data in a live streaming system comprising at least two live streaming recipients (LSR), the method comprising

forming at least a part of a peer-to-peer streaming network with said at least two live streaming recipients (LSR),

generating peer-to-peer streaming of content from the at least two live streaming recipients (LSR) to others of the live streaming recipients (LSR),

wherein said peer-to-peer streaming to others of the live streaming recipients (LSR) is established by means of loss resilient code representations of data from at least one live streaming broadcaster (LSB).

122. (New) Method of distributing Input Data (I) in a network comprising a plurality of peers (P), the method comprising

transforming, with said plurality of peers (P), Input representative data (IRD) received from at least one Input broadcaster (IB) into a plurality of M unique partial encoded representations (UPR) of Input Data (I),

wherein a plurality of code subsets (W1, W2, W3,..) of said M unique partial encoded representations comprises N different unique partial encoded representations (UPR) of said Input Data (I), each of said code subsets (W1, W2, W3,..) representing said Input Data (I), and where N is less than M-1.